

GORYANSKIY Yu. V.

BELOV, Mikhail Ivanovich; GORYANSKIY, Yu. V., red.; KOTLYAKOVA, O.I., tekhn.
red.

[Northern sea route; on the 40th anniversary of the opening of the
Soviet Arctic] Severnyi morskoi put'; k 40-letiu osvoenia
Sovetskoi Arktiki. Leningrad, Izd-vo "Morskoi transport," 1957.
120 p. (MIRA 11:4)

(Northeast Passage)

Goryanskiy, Yu. V.

SONKIN, Moisey Yevlevich; MAKSIMOV, Ivan Georgiyevich; GORYANSKIY, Yu.V.,
red.; KOTLYAKOVA, O.I., tekhn.red.

[The seaport of Leningrad] Morskoe vorota Leningrada. Leningrad,
Izd-vo "Morskoi transport," 1957. 156 p. (MIRA 11:1)
(Leningrad--Harbor)

GORYANSKIY, Yu.V.

LAYNER, Samuil Vladimirovich; GORYANSKIY, Yu.V., otvetstvennyy red.; SHISHKOVA,
L.M., tekhn.red.

[Seagoing dry cargo vessels] Morskoe sukhogruznyye suda. Leningrad,
Gos. izd-vo sudostroit. lit-ry, 1957. 283 p. (MIRA 11:5)
(Freighters)

GORYANSKIY, Yu. V.
LOSUTOV, Aleksandr Vasil'yevich; VOROB'YEV, F.I., spetsial'nyy redaktor;
~~GORYANSKIY, Yu. V.~~, redaktor izdatel'stva; KOTLYAKOVA, O.I.,
tekhnicheskiy redaktor

[Emergency and rescue work in maritime transportation; problems in
practices at sea] Avariino-spasatel'noe delo na morskoy transporte;
voprosy morskoy praktiki. Leningrad, Izd-vo "Morskoy transport,"
1957. 291 p. (MLRA 10:10)

(Salvage) (Shipwrecks)
(Merchant marine--Safety measures)

PAVLOV, Aleksandr Ivanovich; GORYANSKIY, Yu.V., nauchnyy red.;
STOLYARSKIY, L.L., red.; TSAL, R.K., tekhn.red.

[Small vessels built of plywood and cardboard] Melkie
suda iz fanery i kartona. Leningrad, Gos.soiuznoe izd-vo
sudostroitel.promyshl., 1959. 103 p. (MIRA 13:1)
(Boatbuilding--Equipment and supplies)

BEKENSKIY, Boris Vasil'yevich; GORYANSKIY, Yu.V., spetsred.; SANDLER,
N.V., red.izd-va; DROZHDINA, L.P., tekhn.red.

[Calculating the navigability of a ship; as applicable to ship
handling practices] Raschety morekhodnykh kachestv sudna;
primenitel'no k morskoi praktike. Leningrad, Izd-vo "Morskoi
transport," 1959. 370 p. (MIRA 13:3)
(Naval architecture) (Ship handling)

DOLGOLENKO, Anatoliy Aleksandrovich, prof., doktor tekhn.nauk; GORYANSKIY,
Yu.V., red.; VOLCHOK, K.M., tekhn.red.

[Machines for continuous transportation] Mashiny nepreryvnogo
transporta. Leningrad, Izd-vo "Rechnoi transport," Leningr. otd-nie,
1959. 404 p. (MIRA 12:12)
(Conveying machinery) (Hoisting machinery)

SPITKOVSKIY, Matvey Isarovich; KALENDER'YAN, Levon Ivanovich; GORYANSKIY,
Yu.V., inzh., red.; GRIGOR'YEV, Ya.N., red.; SPEKHIN, S.M., red.;
ALEKSANDROV, L.A., red.izd-va; TIKHONOVA, Ye.A., tekhn.red.

[Hull construction and the internal arrangement of ships]
Konstruktsiya korpusa i vnutrennee ustroistvo morskikh sudov.
Moskva, Izd-vo "Morskoi transport," 1960. 378 p. (MIRA 13:9)
(Shipbuilding)

NOVOKRESHCHENOV, Aleksey Aleksandrovich; RENNENGARDT, Fridrikh Fridrikhovich; GORYANSKIY, Yu.V., kand. tekhn. nauk, red.; VOLCHOK, K.M. tekhn. red.

[Maintenance of hulls of ships engaged in inland navigation]
Ukhod za korpusami sudov vnutrennego plavaniia. Pod red. IU.V. Gorianskogo. Leningrad, Izd-vo "Rechnoi transport," Leningr. otd-nie, 1961. (MIRA 14:6)

(Ships—Maintenance and repair)

SHELUCHENKO, Valentin Mikhaylovich: Prinimali uchastiye: ZAKHAROVA, A.F.,
dots., kand. tekhn. nauk; ROMANOVSKIY, V.I., kand. tekhn. nauk;
~~GORYANSKIY, Yu. V.~~, dots., red.; SANDLER, N.V., red. izd-va;
KOTLYAKOVA, O.I., tekhn. red.

[Shipbuilding materials and ship repairs] Sudostroitel'nye ma-
terialy i sudoremont. Leningrad, Izd-vo "Morskoi transport,"
1961. 332 p. (MIRA 15:3)

(Shipbuilding--Equipment and supplies)
(Ships--Maintenance and repair)

BELAN, Fedor Nikolayevich; CORYANSKIY, Yuriy Vladimirovich, red.;
KOTLYAKOVA, O.I., tekhn. red.

[Principles of the theory of ship construction] Osnovy teorii
sudna. Leningrad, Izd-vo "Morskoi transport," 1962. 333 p.
(MIRA 16:1)

(Naval architecture)

ZAYTSEV, Vyacheslav Ivanovich; GORYANSKIY, Yu.V., red.; STUL'CHIKOVA, N.,
tekhn. red.

[Modern types of marine steam engines] Sovremennye tipy morskikh sudovykh parovykh mashin. 2. izd., dop. i ispr. Leningrad, Izd-vo "Morskoi transport," 1963. 87 p. (MIRA 16:6)
(Marine engines) (Steam engines)

KOZLOV, Konstantin Sergeyevich; GORYANSKIY, Yu.V., red.;
STUL'CHIKOVA, N., tekhn. red.

[Modern methods of evaluating the draft and the stability
of a ship] Sovremennye metody otsenki posadki i ostoichi-
vosti sudna. Leningrad, Izd-vo "Morskoi transport," 1963.
106 p. (MIRA 16:7)
(Stability of ships) (Trim (Of ships))

GAVRILOV, Vladilen Sergeyevich; GORYANSKIY, Yu.V., red.; KOTLYAKOVA,
O.I., tekhn. red.

[Operating refrigerator plants for the storage of food
products on merchant ships] Ekspluatatsiya kholodil'nykh
ustanovok provizionnykh kamer morskikh sudov. Leningrad,
Izd-vo "Morskoi transport," 1963. 194 p. (MIRA 16:8)
(Gold storage on shipboard)

DANILOV, Dmitriy Ivanovich, inzh.; BELETSKIY, Vsevolod Vladimirovich,
inzh.; GORYANSKIY, Yu. V., kand. tekhn. nauk, retsenzent;
ORALOV, V.A., inzh., retsenzent; YEGOROV, S.A., inzh., nauchnyy
red.; SOSIPATROV, O.A., red.; CHISTYAKOVA, R.K., tekhn. red.

[Trailer and container vessels] Treilernye i konteiner~~nye~~ye suda.
Leningrad, Sudpromgiz, 1963. 235 p. (MIRA 16:5)
(Ferries) (Unitized cargo systems)

YERMILOV, Valentin Georgiyevich; SHVED, A.P., dots., retsenzent;
DOLGOPOL'SKIY, A.Ya., nauchn. red.; GORYANSKIY, Yu.V.,
red.; KOTLYAKOVA, O.I., tekhn. red. ~~_____~~

[Operation and testing of marine steam power plants] Tekh-
nicheskaya ekspluatatsiya i ispytaniya sudovykh parosil'-
nykh ustanovok. Leningrad, Izd-vo "Morskoi transport,"
1963. 279 p. (MIRA 16:10)

(Boilers, Marine)
(Steam turbines, Marine)

RODIONOV, Aleksandr Ivanovich; KEYLIN, Rudolf Solomonovich,
inzh., nauchn. red.; GORYANSKIY, Yuriy Vladimirovich,
red.; KOTLYAKOVA, O.I., tekhn. red.

[Methods and equipment for automatic control in navigation] Metody i tekhnicheskie sredstva avtomatizatsii sudovozhdeniia. Leningrad, Izd-vo "Morskoi transport,"
1963. 128 p. (MIRA 17:1)

MAGULA, Valentin Emmanuilovich, kand. tekhn. nauk; DRUZ', Boris
Ivanovich, kand. tekhn. nauk; KULAGIN, Vitaliy
Dmitriyevich, kand. tekhn. nauk; Prinsipal uchastnye
LUKIN, G.Ya., kand. tekhn. nauk; GORYANSKIY, Yu.V., dots.,
retsenzent; GULIYEV, Yu.M., dots., retsenzent; KOKHANOVSKIY,
K.V., dots., retsenzent; LEBEDEV, A.M., dots., retsenzent;
SPITKOVSKIY, M.I., dots., retsenzent; VASIL'YEV, I.V., dots.,
retsenzent; SERKO, G.S., red.; TIKHONOVA, Ye.A., tekhn.red.

[Theory and the structural arrangement of ships] Teoriia i
ustroistvo sudov. Moskva, Izd-vo "Morskoi transport," 1963.
494 p. (MIRA 17:3)

KIRDAN, Ivan Lukich; UKOLOV, D.P., inzh., retsenzent; UKHIN,
S.I., inzh.. retsenzent; GORYANSKIY, Yu.V., nauchn.
red. TURANDINA, L.A., red.

[Knotting and splicing in shipbuilding] Takelazhnye ra-
boty v sudostroenii. Leningrad, "Sudostroenie," 1964.
303 p. (MIRA 18:1)

NIKIFOROVSKIY, Nikolay Nikolayevich; NORNEVSKIY, Boris Ivanovich;
GORVANSKIY, Yu.V., red.

[Marine electric power plants] Sudovye elektricheskie
stantsii. Moskva, Transport, 1964. 502 p.
(MIRA 18:2)

AFONIN, Z.M., inzh.; BEKENSKIY, B.V., inzh.; BELAN, F.N., inzh.;
GORYANSKIY, Yu.V., kand. tekhn. nauk; GRIGOR'YEV, Ya.N.,
inzh.; KO ALEVSKIY, G.V., kand. tekhn. nauk; MAGULA, V.E.,
kand. tekhn. nauk, retsenzent; DRUZ', B.I., kand. tekhn.
nauk, retsenzent; KULAGIN, V.D., kand. tekhn. nauk,
retsenzent; DOROGOSTAYSKIY, D.V., doktor tekhn. nauk, red.

[Theory and construction of ships] Teoriia i ustroistvo
sudov. Moskva, Transport, 1965. 371 p. (MIRA 18:9)

ACC NR: AM5028932

(N)

Monograph

UR/

Afonin, Z. M. (Engineer); Bekenskiy, B. V. (Engineer); Belan, F. N. (Engineer);
Goryanskiy, YU. V. (Candidate of Technical Sciences); Grigor'yev, YA. N. (Engineer);
Kovalevskiy, G. V. (Candidate of Technical Sciences)

Theory and equipment of ships (Teoriya i ustroystvo sudov) Moscow, Izd-vo "Transport",
65. 0371 p. illus., biblio. Errata slip inserted. 8,000 copies printed.

TOPIC TAGS: shipbuilding engineering, marine engineering, ship component, ship
navigation, marine engine, hydrodynamics /

PURPOSE AND COVERAGE: This book studies the problems of the theory of ships (statics
and dynamics) and gives a basic survey of ship engines, construction and the stabi-
lity of a ship's hull, structures and systems. This manual is recommended for stu-
dents in ship navigation departments of the higher engineering marine schools and al-
so can be used by students in other departments of the same schools. This book would
be useful for students and engineers in the Navy.

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Ch. II. Initial stability of ships —29

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UDC:629.12(0.75.8)

ACC NR: AM5028932

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- Ch. IV. Nonsinkability of ships--81
- Ch. V. Principle data from hydromechanics--88
- Ch. VI. Resistance of water to movement of the ship--100
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- Ch. XI. Durability of ships--212
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SUB CODE: 13/ SUBM DATE: 04 Jun 65/ ORIG REF: 035

Card 2/2

L 05077-67

ACC NR: AP6013317

(N)

SOURCE CODE: UR/0413/66/000/008/0136/0136

AUTHORS: Polivanov, I. V.; Goryayev, I. V.

ORG: none

TITLE: A buffer device. Class 65, No. 180970

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 136

TOPIC TAGS: ship component, shock absorber

ABSTRACT: This Author Certificate presents a buffer which prevents damage to ships being docked. The device includes power hydraulic cylinders and rotating self-adjusting carriages with recoil rollers (see Fig. 1). The design increases the operational reliability of the device. The rods of the power hydraulic cylinders are connected with slide-blocks. The ends of the connecting rods are mounted on these slide-blocks so that they can move. The other ends of the connecting rods are flexibly fastened to a rotating beam. This beam is hinged on one side to the rotating self-adjusting carriage, and on the other side it is hinged to a double arm rotating lever. This double arm lever is connected with a shock absorbing torsion bar unit by a hinge-arm drawbar.

Card 1/2

UDC: 629.12.015.65

ACC NR: AP6013317

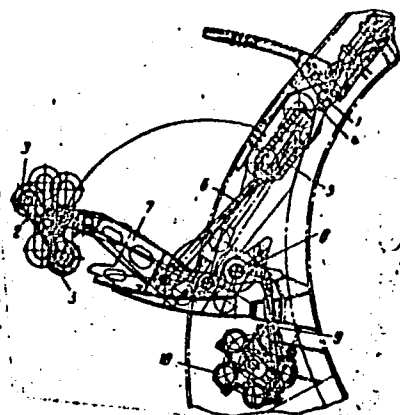


Fig. 1. 1 - power hydraulic cylinder;
2 - carriages; 3 - recoil rollers; 4 -
rods of the hydraulic cylinder; 5 - slide
blocks; 6 - connecting rods; 7 - rotating
beam; 8 - rotating double arm lever; 9 -
hinge-arm drawbar; 10 - torsion bar unit

Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 29Jun64

Card 2/2 fv

ACC NR: AT7000938

SOURCE CODE: UR/2850/66/014/000/0222/0225

AUTHOR: Sokol'skiy, D. V.; Goryayev, M. I.; Sarmurzina, A. G.; Dzhardamaliyeva, K. K. Yurina, R. A.; Dembitskiy, A. D.

ORG: none

TITLE: Liquid-phase hydrogenation of 1-heptene on ruthenium-palladium catalysts of various compositions

SOURCE: AN KazSSR. Institut khimicheskikh nauk. Trudy, v. 14, 1966. Katalizatory, zhidkofaznoy gidrogenizatsii (Catalysts of liquid-phase hydrogenation), 222-225

TOPIC TAGS: hydrogenation, heptene, ruthenium, palladium

ABSTRACT: 1-Heptene was hydrogenated in 96% ethanol at 20°C on Ru-Pd catalysts in which the Ru content was varied (19, 30, 44, 80 wt. % Ru). As the Ru content increased, the hydrogenation rate rose at first, reached a maximum at 70 wt. %, then decreased. The reaction was studied most thoroughly on catalyst with 30% Ru at 10, 20, 30, 40 and 50°. The S-shaped kinetic curves obtained suggest that the hydrogenation is associated with isomerization involving the displacement of the double bond to the center of the molecule and cis-trans isomerization. Chromatographic analysis and IR spectra showed that this isomerization of 1-heptene is limited to the formation of cis- and trans-2-heptene (in 20.5 and 33.7% maximum yield respectively). Orig. art. has: 4 figures.

Card 1/1 SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 007/ OTH REF: 008

GORVAYEV, Mikhail Ivanovich; GLAZYRINA, D.M., red.

[Herbicides] Gerbitsidy. Alma-Ata, Nauka, 1964. 110 p.
(MIRA 18:1)

GORIAYEV, Yu. A.

Change in the protein fractions of the blood serum in rheumatism.
Terap. arkh. no.7:58-62 '61. (MIRA 15:2)

1. Iz kafedry gosital'noy terapii (sav. - dotsent K. R. Sedov)
Irkutskogo meditsinskogo instituta.

(RHEUMATISM) (BLOOD PROTEINS)

GORYAYEVA, E.M.

Chromatographic method for the separation and purification of
actinomycin K. Vest. AN Kazakh. SSR 14 no.2:73-83 F '58.
(MIRA 11:2)

(ACTINOMYCIN) (CHROMATOGRAPHIC ANALYSIS)

GORYAYEVA, E.M., Cand Chem Sci -- (diss) "Chromatography
of K actinomycin." Alma-Ata, 1958, 12 pp (Kazakh State
Univ im S.M. Kirov) 150 copies (KL, 27-58, 104)

- 37 -

GORYAYEVA, E.M., kand.biologicheskikh nauk

Quantitative determination of the amino acid composition of
actinomycin K by distributive chromatography on paper. Vest.AN
Kazakh.SSR 16 no.5:50-58 My '60. (MIRA 13:7)
(AMINO ACIDS) (ACTINOMYCIN) (CHROMATOGRAPHIC ANALYSIS)

ARTAMONOV, R.A., kand.khim.nauk; GLOKOVA, Ye.A.; GORYAYEVA, L.N.

Data on the interesterification of cottonseed oil: ~~Mash. zhir.~~
prom. 25 no.3:22-25 '59. (MIRA 12:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhиров.
(Cottonseed oil) (Hesterification)

BELOVA, A.B., inst.; KZHEKHIN, V.P., kand. tekhn. nauk; Prinsipala
uchastiye GORIAYEVA, L.N.

Determining the content in anthranilates of gossypol liberated
during its hydrolysis. Masl.-zhir. prom. 29 no.3:14-17 Mr '63.
(MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.
(Gossypol) (Anthranilic acid)

MONAKHOVA, M.A.; GORYAYEVA, O.V.

Electron microscopic study of functional structures of the primary spermatocytes in a grain mite. Dokl. AN SSSR 166 no.3:719-721 Ja '66.
(MIRA 19:1)

1. Moskovskiy gosudarstvennyy universitet. Submitted July 13, 1965.

GORYAYNOV

SEE ALSO: GORYAYNOV

GORAYNOV, K.E., doktor tekhn. nauk

Production of basalt cotton in Poland. Stroi. mat. no.11:
40, 3 of cover N '65. (MIRA 18:12)

GORYAYNOV, K. ~~SE~~, DMITRYEV, M.

Building Materials

Replacing asbestos-slate insulation in
asbestos-cement slabs with mineral wool
felt. Biul. stroi. tekhn. 9, no. 8,
April 1952. Kand. Tekhn. Nauk
Minmashstroy

Monthly List of Russian Accessions, Library
of Congress, August 1952. Unclassified

SPERANTOV, N.A.; TYSSKIY, A.V.; GORIYAYNOV, K.E., kandidat tekhnicheskikh nauk, redaktor; AVRUTSKAYA, R.F., redaktor; ATTOPOVICH, M.K., tekhnicheskiiy redaktor.

[Mineral wool] Shlakovaya vata. Pod red. K.E.Goriainova. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 191 p. [Microfilm] (MLRA 7:10)
(Mineral wool)

GORYAYNOV, K. E.

USSR/Engineering - Construction,
Materials

Jun 53

"Rock Wool as Means for the Conservation of Building Materials," P. P. Budnikov, Corr Mem Acad Sci USSR, K. E. Goryaynov

Iz Ak Nauk SSSR, OTN, No 6, pp 918-924

Stating that rock wool industry has been developed in Soviet Union only in postwar years, reviews scientific works in this field and discusses utilization of rock wool as basic component in heat

275T41

insulating materials and as partial substitute for asbestos in asbestos-cement products.

GORAIANOV, A. IE., VOLCHEK, I. Z.

Mineral Wool

Hard heat-insulating material made of mineral wool. *Biul. stroi. tekhn.* 10, No. 6, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

GORYAYNOV, K. E.

USSR/Engineering - Construction

FD-819

Card 1/1 : Pub. 41 - 11/17

Author : Popov, N. A., and Goryaynov, K. E.

Title : Some problems of scientific organizations in assistance to agricultural construction in the field of construction materials

Periodical : Izv. AN SSSR, Otd. tekhn. nauk, 2, 86-97, Feb 1954

Abstract : Describes problems to be solved in order to increase quality and reduce costs of materials used in construction of buildings in rural areas. Offers possible solutions and suggests institutions which should do the research. 21 references.

Institution : --

Submitted : By P. P. Budnikov, Corr Memb, Acad of Sci, USSR, December 22, 1953

GORYAYNOV, K. Ye.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
General and Physical Chemistry

chem
✓ Dmitrii Stepanovich Belyankin, J. P. Budnikov, A. S. Berezhnoi, O. K. Polvinkin, B. S. Davydov, Kh. O. Gevorgyan, K. B. Goryainov, V. P. Kupriyanov, I. I. Kitalgorodskii, V. D. Kukolev, V. V. Lapin, A. A. Litvakovskii, V. M. Makhvil'skiĭ, S. A. Mitonov, O. P. Mchedlov-Petrosyan, R. L. Revzner, B. G. Skramtaev, V. N. Yung, and M. D. Yuzhakevich. *Zhur. Priklad. Khim.* 27, 8-9 (1954).—Obituary with portrait and summary of scientific work in phys. chemistry and the silicates. G. M. Kosolapov

9-2-54
88P

GORYAYNOV, K. E.,

"Research in the Field of Metallurgic Slags and Natural Rocks Used in Production of
Slag Cotton Goods." (Dissertation for Degree of Doctor of Technical Sciences)
Central Sci Res Inst of Industrial Constructions (TsNIIPI), Moscow, 1955

SO: M-1036 28 Mar 56

TSNIIPI

GORYD YINOV, R. V. E.

MT The removal of moisture of hydration from new formed compositions in portland cement by heating. K. B. Goryunov. *Doklady Akad. Nauk Ukrains. R.S.R.* 1955; No. 3, 274-6 (Russian summary). The removal of moisture starts in the range of 80-100° and continues up to 1000°. The change of moisture content at different temps. confirms the existing idea of the hydrolysis and hydration of the portland-cement compds. Investigations were carried out by thermal gravimetric analysis by using the Tavetkov app. (C.A. 49, 12195a). The accepted method is more accurate than the curves obtained on the N. S. Kurnakov device.
M. Charnaudyan

YAKUB, I.A., kandidat tekhnicheskikh nauk; GORYAYNOV, K.B., kandidat tekhnicheskikh nauk.

Waterproofing concrete surfaces in order to increase durability
Sbor.mat. o nov. tekhn. v stroi. 17 no.10:20-21 '55. (MLRA 9:2)
(Concrete) (Waterproofing)

AID P - 3724

Subject : USSR/Chemistry

Card 1/1 Pub. 152 - 4/16

Authors : Budnikov, P. P. and K. E. Goryaynov

Title : Interaction of lime with Portland cement hydration products and mineral wool fibers

Periodical : Zhur. prikl. khim. 28, 8, 817-821, 1955

Abstract : The effect of Portland cement hydration products on mineral wool (nine different chemical structures) was studied. Mineral wool fibers whose chemical composition corresponds to the crystallization fields C_5A_3 and CA of the ternary system $CaO-Al_2O_3-SiO_2$ could be used for the reinforcement of cement if their diameter exceeds 6 μ . Two tables, 4 photos, 5 references, all Russian (1951-1953).

Institution : None

Submitted : F 20, 1954

GORYAYNOV, K. Ye.

INT

Dehydration by heating for the determination of new formations in hydrated minerals of portland cement. K. B. Goryaynov. *Doklady Akad. Nauk S.S.S.R.* 104, 462-3 (1956). The thermobalance method of Tsvetkov (C.A. 49, 12195n) is used for dehydration studies of the hydration products of synthetic $3\text{CaO} \cdot \text{SiO}_2$, $3\text{CaO} \cdot \text{Al}_2\text{O}_3$, $2\text{CaO} \cdot \text{SiO}_2$, $5\text{CaO} \cdot 3\text{Al}_2\text{O}_3$, $4\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot \text{Fe}_2\text{O}_3$, $2\text{CaO} \cdot \text{Fe}_2\text{O}_3$, $2\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot 7\text{H}_2\text{O}$, and $3\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot \text{CaSO}_4 \cdot 12\text{H}_2\text{O}$. Samples of 0.3-g. wt. were used in a torsion balance directly, indicating the wt. losses as functions of the temp. increase. The rate of heating was $2.3\text{--}3.3^\circ/\text{min.}$ up to 1000° . The curves show characteristic arrest and break points which are discussed in their importance for the calcn. of the adsorbed and chemically bound amts. of H_2O of the hydrated products. The adsorbed H_2O is generally driven out in the interval of $100\text{--}160^\circ$; the bound H_2O is calcd. from the wt. losses at 1000° in wt. % of the hydrated original compds. The results are in good agreement with those previously detd. by Burt (*Dissertation*, D. I. Mendeleev. Moskov. Khim.-Tekhnol. Inst. 1945) for $3\text{CaO} \cdot \text{SiO}_2$, $3\text{CaO} \cdot \text{Al}_2\text{O}_3$, $2\text{CaO} \cdot \text{SiO}_2$, and $4\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot \text{Fe}_2\text{O}_3$, but they are decidedly lower than those given for $3\text{CaO} \cdot \text{SiO}_2$ and $2\text{CaO} \cdot \text{SiO}_2$ by Powers and Brumbyard (C.A. 40, 7551⁴) who detd. the evaporable H_2O in *vacuo* and the bound H_2O as the not-evapd. share. For this reason, the results of the latter authors must not be directly compared with those of the present investigation. W. Eitel

GORYAYNOV, K. V.

Behavior of synthetic mineral wool in the case of
~~hydrolysis and chemical degradation~~ ~~degradation~~ ~~degradation~~
 (1961) The effect of the action of chemical agents on synthetic

MgO reacts with these alk. solns. forming a thin hydrous
 layer. The other hydroxides, however, are not

with the common hydration products of portland and anti-
 portland cements. One may conclude from the above that
 that mineral wool with a definite modulus of elasticity >

surface to a depth of less than 1 μ. Such fibers are not
 of any value for the purpose of insulation.

FM 200

GORYAYNOV, K. E.

USSR/Chemical Technology. Chemical Products and Their Application -- Silicates.
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5324

Author: Goryaynov, K. E., Yefimov, A. D., Avrutin, M. A., Yakub, I. A.

Institution: None

Title: Gas Concrete Based on Entrainment Ash of Leningrad Heat and Power
Stations

Original

Publication: Novaya tekhn. i peredov. opyt v str-ve, 1956, No 6, 11-14

Abstract: It was found that on the basis of entrainment-ash of Leningrad electric power stations it is possible to produce gas concrete with a volumetric weight of 820-950 kg/m³ and a compression strength of 80-100 kg/cm². Expenditure of Portland cement is of 160-230 kg/m³, that of aluminum powder 200-300 g/m³. There is described the technology of production of large gas concrete wall blocks, the manufacture of which is being set up at the Leningrad plant of Trust No 20.

Card 1/1

GORYAYNOV, K.B., doktor tekhn.nauk; MIKHAYLOV, A.V., dots.; BOYKO, A.G.,
1957.

[New data on stiff concrete mixtures] Novye dannye o zhestkikh
betonnykh smesiakh. Moskva, 1957. 32 p. (MIRA 11:4)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut po
stroitel'stvu.
(Concrete)

GORYAYNOV, K.E., doktor tekhn.nauk; MIKHAYLOV, A.V., dots.; GORBACHEV, D.Ye.,
kand.tekhn.nauk; IVANOVA, V.P., kand.tekhn.nauk; RUBETSKAYA, T.V.,
kand.tekhn.nauk; TRINKER, B.D., kand.tekhn.nauk; GORCHAKOV, A.V.,
ovetstvennyy red.; GLUSKIY, Ya.A., nauchnyy red.; VASILEVSKIY, B.A.,
tekhn.red.

[Recommendations for making precast reinforced concrete structures
from stiff concrete mixtures] Rekomendatsii po tekhnologii izgotovle-
niia sbornyykh zhelezobetonnykh konstruktsei iz zhestkikh betonnykh
smesei. Moskva, TSentr. biuro tekhn.inform., 1957. 45 p. (MIRA 11:5)

1. Russia (1917- R.S.F.S.R.) Ministerstvo stroitel'stva.
Tekhnicheskoye upravleniye. 2. Laboratoriya betonov i rastvorov
NII-200 Ministerstva stroitel'stva RSFSR (for Mikhaylov, Gorbachev,
Ivanova, Rubetskaya, Trinker). 3. Rukovoditel' laboratorii
betonov i rastvorov NII-200 Ministerstva stroitel'stva RSFSR (for
Goryaynov)

(Precast concrete construction)

Goryaynov

TRINKER, B.D., kand.tekhn.nauk; GORYAYNOV, kand.tekhn.nauk.

Rapid-hardening and highly durable concretes prepared without
heat treating. *Biul.tekh.inform.* 3 no.43-6 Ap '57. (MIRA 10:10)
(Concrete)

Goryaynov, K.E.

TRINKER, B.D., kandidat tekhnicheskikh nauk; GORYAYNOV, K.E., doktor tekhnicheskikh nauk.

Adding chlorous salts of calcium and aluminum for the accelerated hardening of solutions and concretes and for the lowering of their permeability by water. Biul.tekh.inform. 3 no.8:25-28 Ag '57.
(MIRA 10:10)

(Concrete)

GORYAYNOV, Kirill ~~Samuilovich~~, doktor tekhn.nauk; GAVRILOV, Ye.K.,
nauchnyy red.; PRUDNIKOVA, M.H., red.; GILENSON, P.G., tekhn.red.

[Manufacturing mineral wool and mineral-wool products] Tekhno-
logiya mineral'noi vaty i izdelii iz nee. Moskva, Gos. izd-vo
lit-ry po stroit., arkhitekt. i stroit. materialam, 1958. 177 p.
(Mineral wool) (MIRA 12:1)

GORYAYNOV, K.E., doktor tekhn.nauk; VOLCHEK, I.Z., kand.tekhn.nauk;
ZASEDATELEV, I.B., inzh.

Using lightweight cinder concrete in making large wall blocks. Bet.
i shel.-bet. no.6:229 Je '58. (MIRA 11:6)
(Cinder blocks)

SOV/97-58-12-4/13

AUTHORS: Goryaynov, K.E., Doctor of Technical Sciences, and
Mikhaylov, A.V., Docent

TITLE: The Effect of Content of Cement Grout on the Time of
Casting of Stiff Concrete Mixes (Vliyaniye sodержaniya
tsementnogo testa na udoboukladyvayemost' zhestkikh
betonnykh smesey).

PERIODICAL: Beton i Zhelezobeton, 1958, Nr.12, pp.453-457 (USSR)

ABSTRACT: New directives for casting stiff concrete mixes are given
in Norm NII-200. The method described here was used in
works of N.V. Mikhaylov and P.A. Rebinder on sand concrete.
Whereas the old method was based on the time which was
required to consolidate the concrete mix till it reached
the calculated weight per unit of volume, the new method,
which aims at greater accuracy of timing of casting,
consolidates the concrete mix by vibration in conjunction
with loading. To measure this time special apparatus is
used (see Fig.1). It consists of a cube-shaped frame of
100 x 100 x 100 mm, and a lid. The form is filled with
a certain amount of concrete mix, and after thorough

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SOV/97-58-12-4/13

The Effect of Content of Cement Grout on the Time of Casting of Stiff Concrete Mixes.

consolidation the weight of the volume is ascertained. A load of 80 g/cm^2 is applied and then vibration of 2800 oscillations/minute at an amplitude of 0.35 mm. Tests carried out in accordance with NII-200 show that the time of casting stiff concrete mixes, even if the cement/water ratio is constant, varies considerably with varying content. The characteristics of such variation are shown in curves of Fig.2. Table 1 gives values of the time of casting of concrete mixes containing various quantities of cement grout of uniform initial cohesion (at a constant water/cement ratio of 0.35); and Table 2 gives similar values but with a constant quantity of cement grout and varying proportions of sand and aggregate. A formula is given to define the limit of compression strength for optimal mix used in the above tests. The authors of this article with I.I. Nyauronia, of the Institute of Building and Architecture of the Academy of Sciences, Litovskaya SSR (Institut stroitel'stva i arkhitektury AN Litovskoy SSR), found

Card 2/4

SOV/97-58-12-4/13

The Effect of Content of Cement Grout on the Time of Casting of Stiff Concrete Mixes.

that the coefficient α in this formula has varying minimal values (see Table 3). Fig.3 gives curves showing the effect of the relationship between coarse and fine aggregates on the time of casting stiff concrete mixes and the strength of the concrete. Table 4 gives the time of casting stiff concrete mixes prepared from concrete containing 275 kg cement/m³ and 110 l.water/m³. Fig.4 shows the relationship between the strength of fine aggregate concrete and cement consumption (according to Prof. A.V. Mikhaylov). Tests showed that it is advantageous to use stiff concrete mixes with relatively small content of cement grout, but it is then necessary to use new vibrators for consolidation. These new vibrators have high amplitudes which allow better consolidation. Such a vibrator was designed by L.P. Petrun'kin and S.N. Naumov. It was also found that one-sided vibration of test cubes, carried out by Candidate of Technical Sciences B.D. Trinker, is less effective than vibration on both sides. Table 5 shows the effect of vibration

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SOV/97-58-12-4/13

The Effect of Content of Cement Grout on the Time of Casting of Stiff Concrete Mixes.

under loading on the consolidation time of stiff concrete mixes. Fig.5 gives comparative values of consolidation tests on stiff concrete mixes consolidated with vibrator, and mixes consolidated with vibrator in conjunction with loading of 80 g/cm^2 . Table 6 shows the effect of vibration under loading on the duration of consolidation of stiff concrete mixes. On the basis of these investigations the "Barrikada" factory and VNIISTROMMASH (authors K.E. Goryaynov, I.I. Mamontov, B.D. Trinker and I.I. Dolitskiy), in accordance with NII-200, designed and constructed a machine suitable for casting and consolidating stiff concrete mixes. When various items, as for example slabs PKZhN, are produced this machine consists of two mobile gantries; to the first dozing installation is attached, and to the second a strong vibrating press, with vibrator of 3000 and 6000 oscillations per minute with amplitudes of 1 and 0.3 mm. There are 5 figures and 6 tables.

Card 4/4

GOBYAYNOV, K.M., doktor tekhn. nauk; YEFIMOV, A.D.; VOLCHEK, I.Z., kand.
tekhn. nauk; AVEUTIN, M.L., inzh.; LIZOGUB, A.A., inzh.;
ZASHOATELEV, I.B., inzh.

Large wall blocks made of autoclave hardened lightweight concrete.
Bul. tekhn. inform. 4 no.2:1-5 F '58. (MIRA 11:3)

1. Chlen-korrespondent Akademii stroitel'stva arkhitektury (for
Yefimov).

(Concrete blocks) (Lightweight concrete)

GORYAINOV, K. doktor tekhn. nauk.; VOLCHEK, I., kand.tekhn.nauk;
KUPRIYANOV, V., kand.tekhn. nauk; LIZOGUB, A., inzh.

Using cinder from heat and electric power plants in making large
porous blocks. Stroi. mat. 4 no.8:14-17 Ag '58. (MIRA 11:9)
(Cinder blocks)

GORYAYNOV, K.E., doktor tekhn.nauk; ZASEDATELEV, I.B., kand.tekhn.nauk

Vacuum cooling of large gas-concrete wall blocks. Biul.tekh.inform.
4 no.11:21-22 N '58. (MIRA 11:12)
(Autoclaves) (Concrete blocks)

GORYAYNOV, K.M., doktor tekhn. nauk.

Improving the quality of mineral wool products. Nov. tekhn. 1 pered. op
v stroi. 20 no.11:19-22 N '58. (MIRA 11:11)
(Mineral wool)

KUDRYASHEV, I.T., kand.tekhn.nauk. Prinimali uchastiye: POPOV, N.A., prof., doktor tekhn.nauk; YEROFEYEV, Ye.A., kand.tekhn.nauk; GORYAINOV, K.E., doktor tekhn.nauk; VOLCHEK, I.Z., kand.tekhn.nauk; KUPRIYANOV, V.P., kand.tekhn.nauk; YAKUB, I.A., kand.tekhn.nauk; KEVESH, P.D., kand.tekhn.nauk; ERSHLER, E.Ya., inzh.. KHAVIN, B.N., red.isd-va; STEPANOVA, E.S., tekhn.red.; SOLETSSEVA, L.M., tekhn.red.

[Technical instructions for the manufacture of prefabricated elements from cellular autoclave concrete] Tekhnicheskie uslovia na izgotovlenie sbornykh izdelii iz avteklaynykh iacheistykh betonev. Moskva, Gos.isd-ve lit-ry po stroit., arkhit., i stroit.materiaslam, 1959. 79 p. (MIRA 12:6)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. 2. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR (for Kudryashev). 3. Moskovskiy inzhenerno-stroitel'nyy institut imeni V.V.Kuybysheva, (for Popov, Yerofeyev). 4. Nauchno-issledovatel'skiy institut po stroitel'stva Ministroya RSFSR (for Goryainov, Volchek, Kupriyanov, Yakub). 5. Nauchno-issledovatel'skiy institut zhelezobetona Glavmoszhelezobetona (for Kevesh, Ershler). 6. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Popov). (Precast concrete)

GORYAYNOV, K.E., doktor tekhn.nauk; YEFIMOV, A.D.; VOLCHEK, I.Z.; AVRUTIN, N.L.; ZASEDATELEV, I.B.; NECHAYEV, G.A., red.izd-vn; PUL'KINA, Ye.A., tekhn.red.

[Large aerated-cement wall blocks; practices of the Main Administration for Housing and Public Construction in the city of Leningrad] Krupnye gasobetonnye stenovye bloki; iz opyta Glavleningradstroia. Pod red. K.E.Gorainova. Leningrad, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1959. 102 p. (MIRA 13:1)
(Leningrad--Building blocks) (Lightweight concrete)

GORYAYNOV K.E., doktor tekhn.nauk; ZASNDATELEV, I.B., kand.tekhn.nauk

Thermophysical processes during the autoclave hardening of large porous
concrete products. Bet. 1 shel.-bet. no.2:62-67 P '59.

(MIRA 12:3)

(Lightweight concrete) (Autoclaves)

DAVIDSON, M.G., doktor tekhn.nauk; GORYAYNOV, K.E., doktor tekhn.nauk;
GRIGOR'YEV, Ye.G., inzh.

Vibrated lightweight concrete. Biul.tekh.inform. 5 no.1:12-14
Ja '59.

(MIRA 12:4)

(Vibrated concrete)

GORYAYNOV, K.E., doktor tekhn.nauk

Production of building materials in the Polish People's Re-
public. Biul.tekh.inform.po stroi. 5 no.8:30-31 Ag '59.

(MIRA 12:11)

(Poland--Building materials industry)

GORYAYNOV, K.B., doktor tekhn.nauk

Aerated concrete made with fly ashes from thermoelectric power plants and some problems in autoclave hardening of large products. Trudy VIZHB no.8:59-82 '59.
(MIRA 13:4)

1. Nauchno-issledovatel'skiy institut po stroitel'stvu.
(Lightweight concrete) (Autoclaves)

GORYAYNOV, K.E., prof., doktor tekhn.nauk

Making mineral wool using fused slags. Stroimaterialy no.12:1-5
D '59. (MIRA 13:3)

(Mineral wool) (Slag)

ZUBAREV, P.D.; ~~GORYAYNOV, K.E.~~, doktor tekhn.nauk, prof., red.;
GLADYSHEVA, S.A., red.izd-va; RYAZANOV, P.Ye., tekhn.red.;
RUDAKOVA, N.I., tekhn.red.

[Making slag wool of primary slag melts; experience of plants
in the Donets Basin] Proizvodstvo shlakovoi vaty iz pervichnykh
shlakovykh rasplavov; iz opyta raboty zavodov v Donbasse. Pod
red. K.E.Goriainova. Moskva, Gos.izd-vo lit-ry po stroit., arkhit.
i stroit.materialam, 1960. 87 p. (MIRA 14:6)
(Donets Basin—Mineral wool)

GORYAYNOV, K.L., doktor tekhn. nauk; ZASEDATELEV, I.B., kand.tekhn.nauk

Using vacuum techniques for cooling large porous products in
autoclaves. Stroi. mat. 6 no.6:18-20 Je '60. (MIRA 13:6)
(Autoclaves) (Lightweight concrete)

GORYAYNOV, K.E., doktor tekhn.nauk, prof.; MAMONTOV, I.I., inzh.; TRINKER,
S.D., kand.tekhn.nauk; DOLIESKIY, I.I., kand.tekhn.nauk

Unit for vibrostamping reinforced concrete products made of stiff
concrete mixes. Bet. 1 zhel.-bet. no.11:489-493 N '60. (MIRA 13:11)
(Vibrators) (Reinforced concrete)

GORAYNOV, K.

Method of saving cement. Stroitel' no.10:25 0 '61. (MIRA 14:11)
(Cement)

GORYAYNOV, K.E., doktor tekhn.nauk, prof.; PROZHOGA, V.T., inzh.

Large-scale cementless vibrated ceramic blocks and panels. Stroi.
mat. 7 no.5:3-6 My '61. (MIRA 14:6)
(Ceramics) (Building materials)

GORIAYNOV, K.E., doktor tekhn.nauk, prof.; TROTSKO, T.T., inzh.

Kinetics of the initial heating of lightweight silicate concrete
made with porous aggregates in the process of autoclave treat-
ment. Stroi.mat. 8 no.11:12-14 N '62. (MIRA-15:12)
(Building materials--Thermal properties)

S/191/63/000/001/010/017
B101/B186

AUTHOR: Goryaynov, K. E.

TITLE: Production of heat-insulating plastics based on slag or glass wool

PERIODICAL: Plasticheskiye massy, no. 1, 1963, 39-43

TEXT: Some requirements as to production for methods reinforced plastics based on slag or glass wool are pointed out. Phenol alcohol and urea phenol resins, or polyvinyl acetate emulsion, are used as binders in the USSR. The use of epoxy resins, which may be expected to give technically more stable reinforced plastics, has not yet been introduced. The necessity for a uniform distribution of the plastic over the fiber, the effect of type and quantity of the used polymer on the strength of the reinforced plastic, and the thermomechanical test of the polymers to find the maximum permissible heating are mentioned. It is required that the heat carrier (air) be introduced in the drying zone of the conveyor at a higher temperature (about 250°C) than in the zone of polycondensation. Automatic control of temperature, moisture, and gas volume is required

Card 1/2

Production of heat-insulating ...

S/191/63/000/001/010/017
B101/B186

during the drying process. In quality control, the tensile strength and the elasticity should be tested besides the volume weight. Some data are quoted from the author's papers: a film of 0.37μ thickness is formed on the fiber of slag wool with $900 \text{ m}^2/\text{g}$ specific surface and with 4% content of binder; with 10% binder content, the film is $0.9-1 \mu$ thick. The strength does not always increase with increasing content of binder. The tensile strength was $0.07-0.14 \text{ kg/cm}^2$ with a consumption of 120 kg of phenol alcohol resin per 1 ton of slag wool, volume weight of the finished product $70-110 \text{ kg/m}^3$. For plastics reinforced by slag wool, volume weight $120-150 \text{ kg/m}^3$, the tensile strength was tested under a load of 0.5 kg/cm^2 . Only 24% of the specimens based on phenol alcohol resin had perpendicular to the layer a tensile strength equal to or greater than 0.0015 kg/cm^2 , whereas all plastics based on chlorinated vinyl chloride satisfied this test. A volume weight of $12-30 \text{ kg/m}^3$ is reached by the new method of producing glass wool, blowing the melt with gas of 1150°C out of 5000-6000 openings, 1-2 mm in diameter, from bowl rotating at 3000 rpm. There is a volume weight having the lowest heat conductivity for any given temperature. The volume weight should be $20-40 \text{ kg/m}^3$ at 25°C , and about 180 kg/m^3 at 350°C .

Card 2/2

POZDNYAKOVA, G.S., inzh.; GORYAYNOV, K.E., ~~doktor~~ tekhn. nauk

Ashes from a heat and electric power plant and mineral wool
from them. Sbor. trud. ROSNIIMS no.27:60-72 '63. (MIRA 17:1)

BUDNIKOV, P.P., akademik; GORAYANOV, K.E., prof.

The 7th International Conference on Silicates in Hungary. Zhur.
VKHO 8 no.6:678-680 '63. (MIRA 17:2)

1. Akademiya nauk UkrSSR (for Budnikov).

GORIYAYNOV, K.E., doktor tekhn.nauk, prof.; POZDNYAKOVA, G.S., inzh.

Obtaining slag wool from thermal electric plant ashes by electro-
smelting. Stroi.mat. 9 no.3:10-12 Mr '63. (MIRA 16:4)
(Mineral wool) (Ash (Technology))

GORAYNOV, K.E., doktor tekhn.nauk

Unit for the production of perlite sand. Stroi.mat. 9 no.11:40
N '63. (MIRA 17:4)

VEKSLER, Ye.S.; GORYAYNOV, K.E.

Electrical modeling of mass exchange processes in hydrothermal
treatment of solidifying concrete. Dokl. AN SSSR 150 no.5:
1097-1099 Je '63. (MIRA 16:8)

L. Rostovskiy inzhenerno-stroitel'nyy institut. Predstavleno
akademikom P.A.Rebinderom.
(Concrete) (Solidification)

SOROKER, Vitaliy Il'ich, prof., doktor tekhn. nauk; GORAYNOV,
K.E., prof., doktor tekhn. nauk; IVANOV, O.M., kand.
tekhn. nauk, nauchn. red.; CHERKINSKAYA, R.L., red.

[Problems and examples in the technology of concrete and
reinforced concrete products] Zadachi i primery po tekhnologii
betonnykh i zhelezobetonnykh izdelii. Moskva,
Izd-vo lit-ry po stroit., 1964. 235 p. (MIRA 17:5)

1. Zaveduyushchiy kafedroy tekhnologii proizvodstva
stroitel'nykh materialov Vsesoyuznogo zaochnogo inzhenerno-
stroitel'nogo instituta (for Goryaynov).

... khimicheskoye orkestrino. Zhurnal ... 1956

ABSTRACT: The first colloquium on the state of the art and future trends in techniques for the welding of refractory and ceramic materials has been held ... (date not given). The sponsoring organization is ...

"APPROVED FOR RELEASE: 03/13/2001

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was reported on the exterior of the building.

The major application is in the welding of refractory and ceramic materials.

of Higher and Secondary Vocational Education, and the Committee for the
Coordination of Scientific Research USSR, to assign high priorities in their

L 22572-65 EPF(c)/EPF(n)-2/EPR/ENG(j)/EPA(g)-2/EPA(w)-2/EWP(k)/EWT(m)/
-2/EWP(b)/T/-P(c)/EXP(v) 1981-1982 1983-1984 1985-1986 1987-1988 1989-1990

ACCESSION NR: AP5002187

5/0080/64/037/012/2575/2535

AUTHOR: Goryaynov, K. E.; Pitskel', L. N.

TITLE: High-temperature joining of mineral material

SOURCE: Zhurnal prikladnoy khimii, v. 37, no. 12, 1964, 2575-2585

TOPIC TAGS: mineral material, ceramic, arc welding, mineral material welding, ceramic material welding, brick welding, mineral material arc welding, chamotte brick arc welding

ABSTRACT: / The feasibility of joining certain refractories, ceramics, pyrocerams, and other mineral materials by arc welding has been investigated. It was found that under certain conditions sound, homogeneous, dense, and chemically stable welds can be obtained. Welding was done with an indirect arc, with hollow or solid graphite electrodes. Filler material was fed either in the form of a powder through hollow electrodes or in the form of rods. Welds between unpreheated chamotte bricks without any filler had a shear strength of 20—37 kg/cm². Preheating bricks up to 800C raised the strength to 57 kg/cm², and the

Card 1/2

L 22572-65

ACCESSION NR: AP5002187

use of a filler, to 112 kg/cm². The control of the cooling rate of the weld is a very important factor in producing sound welds. Orig. art. has: 13 figures and 1 table. [ND]

ASSOCIATION: none

SUBMITTED: 27Jul62

ENCL: 00

SUB CODE: MT, MM

NO REF SOV: 009

OTHER: 001

ATD PRESS: 3172

Card 2/2

GORAYNOV, K.E., doktor tekhn.nauk, prof.

Forming of concrete mixes. Trudy NIIZHB no.33:142-157 '64.
(MIRA 18:2)

1. Vsesoyuznyy zaochnyy inzhenerno-stroitel'nyy institut.

GORYAYNOV, K.E.; MARKARYAN, M.S.; AKSENOV, P.A.

Electric welding of refractories. Stek. 1 ker. 22 no.2:33-35
F '65. (MIRA 1813)

21(1) 5(2)

SOV/89-7-2-9/24

AUTHORS:

Galkin, N. P., Tikhomirov, V. B., Goryaynov, N. Ye., Fedorov, V. D.

TITLE:

The Mechanism by Which a Liquid Is Dispersed in a Plate Extractor and Ways of Improving the Dispersion (Mekhanizm dispergirovaniya zhidkostey v tarel'chatom ekstraktore i sposob yego intensifikatsii)

PERIODICAL: Atomnaya energiya, 1959, Vol 7, Nr 2, pp 159 - 160 (USSR)

ABSTRACT:

The difference between the normal and the better modified version of the extractor consists in the fact that in the modified extractor an air inlet pipe is installed beneath the inlet for the light phase. This opening of the pipe is in the center of the column and is directed upwards. There are no overflow pipes in the extractor. The whole stream has to pass thru the openings in the plate. A stable operation of the column is ensured when the airflow moves at 0.03 m/s over the whole cross section of the column. When the airconsumption increases, bubbles form between the liquid drops and these bubbles reduce the contact surface. The new column with the air agitation system incorporated, was tested with the following systems: water -

Card 1/2

The Mechanism by Which a Liquid Is Dispersed in a Plate Extractor and Ways of Improving the Dispersion SOV/89-7-2-9/24

nitric acid - uranyl nitrate - tributyl phosphate in petroleum. The separation properties are approximately threetimes higher than those of a normal column. The total liquid load can be $\sqrt{30} \text{ m}^3/\text{m}^2$ in case of an optimum air agitation. The dependency of the extraction capacity upon the intensity of the air agitation was determined by experiment. The result is shown in a diagram. The extraction loss caused by the air stream is negligibly small. There are 2 figures.

SUBMITTED: March 31, 1959

Card 2/2

GORYAINOV, S.D.; MAL'MBERG, K.Ye.; SAFONOV, V.I.

Modernization of drawing mechanisms on spinning machines.

Tekst. prom. 18 no.9:60-61 S '58.

(MIRA 11:10)

1. Nachal'nik tekhnicheskogo otdela Proyektmarshdetal' (for Goryainov). 2. Glavnyy konstruktor otdela Proyektmarshdetal' (for Mal'mberg). 3. Nachal'nik otdela Proyektmarshdetal' (for Safonov).

(Spinning machinery)

GORYAYNOV, S.D.

28-58-1-28/34

AUTHORS: Goryaynov, S.D., Kutuzov, A.S., and Safonov, V.I., Engineers

TITLE: Technical Documents for Textile and Light Industry Spare Parts Must Be Made Standard (Sozdat' yedinuyu tekhnicheskuyu dokumentatsiyu na zapasnyye detali mashin dlya tekstil'noy i legkoy promyshlennosti)

PERIODICAL: Standartizatsiya, 1958, ²№ 1, pp 70-71 (USSR)

ABSTRACT: The authors stress the importance of a centralized and standard technical documentation for spare parts of both USSR and foreign-made equipment.

ASSOCIATION: Proyektmashtdetal'

AVAILABLE: Library of Congress

Card 1/1

GORIAYNOV, V.I., kand. tekhn. nauk

Use of clamp-bolted steel beds for heavy presses. Sbor. MOSSTAMKIN
no.3:26-32 '55. (MIRA 13:3)
(Power presses)

MESHCHERSKIY, V.T., doktor tekhn.nauk, prof.; GORYAYNOV, V.I., kand.
tekhn.nauk, dots.

Method of plotting curves of forces in stretch forming. Sbor.
MOSSTANKIN no. 5:5-19 '60. (MIRA 14:2)
(Sheet-metal work)